

Name: \_\_\_\_\_

### p1029: Box multiplication of linear binomials (v5)

#### Example

Use the box method to multiply  $(6x + 3)$  and  $(2x + 4)$ .

*	$6x$	$3$	
$2x$	$12x^2$	$6x$	$12x^2 + 6x + 24x + 12$
$4$	$24x$	$12$	Combine like terms.
			$12x^2 + 30x + 12$

ANSWER:  $12x^2 + 30x + 12$

#### Question 1

Use the box method to multiply  $(3x + 4)$  and  $(2x + 8)$ .

*	$3x$	$4$
$2x$		
$8$		

ANSWER:

### Question 2

Use the box method to multiply  $(-2x + 9)$  and  $(6x - 4)$ .

*	$-2x$	$9$
$6x$		
$-4$		

ANSWER:

### Question 3

Use the box method to multiply  $(6x - 5)$  and  $(-3x + 9)$ .

*		

ANSWER: